

Human WAP Four Disulfide Core Domain Protein 2 (WFDC2) ELISA Kit | WFDC2 elisa kit

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CATALOG #
AAA129590

REACTIVITY
Human

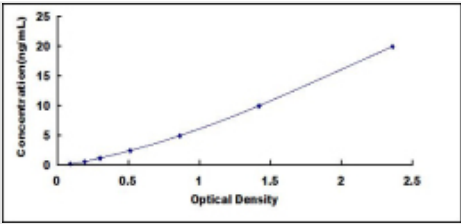
PRODUCT SYNONYMS

WAP Four Disulfide Core Domain Protein 2 (WFDC2); Human WAP Four Disulfide Core Domain Protein 2 (WFDC2) ELISA Kit; WFDC2; HE4; WAP5; EDDM4; Epididymal Protein 4; Epididymal Secretory Protein E4; Putative Protease Inhibitor WAP5; Major epididymis-specific protein E4; WFDC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of WAP Four Disulfide Core Domain Protein 2 (WFDC2). No significant cross-reactivity or interference between WAP Four Disulfide Core Domain Protein 2 (WFDC2) and analogues was observed.
Sequence Length	124
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Saliva and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.126ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level WAP Four Disulfide Core Domain Protein 2 (WFDC2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level WAP Four Disulfide Core Domain Protein 2 (WFDC2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WFDC2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to WAP Four Disulfide Core Domain Protein 2 (WFDC2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to WAP Four Disulfide Core Domain Protein 2 (WFDC2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain WAP Four Disulfide Core Domain Protein 2 (WFDC2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of WAP Four Disulfide Core Domain Protein 2 (WFDC2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for WFDC2 elisa kit	Reproductive science

NCBI AND UNIPROT INFORMATION

NCBI GI #	56699495
NCBI GeneID	10406
NCBI Accession #	NP_006094.3
NCBI GenBank Nucleotide #	NM_006103.3
UniProt Accession #	Q14508; Q6IB27; Q8WXV9; Q8WXW0; Q8WXW1; Q8WXW2; Q96KJ1; A2A2A5; A2A2A6; A6PVD5
Molecular Weight	11,043 Da
NCBI Official Full Name	WAP four-disulfide core domain protein 2
NCBI Official Synonym Full Names	WAP four-disulfide core domain 2
NCBI Official Symbol	WFDC2
NCBI Official Synonym Symbols	HE4; WAP5; EDDM4; dJ461P17.6
NCBI Protein Information	WAP four-disulfide core domain protein 2
UniProt Protein Name	WAP four-disulfide core domain protein 2
UniProt Gene Name	WFDC2
UniProt Synonym Gene Names	HE4; WAP5
UniProt Entry Name	WFDC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.